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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**


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Filing Date: May 04, 2006  
U.S. App. No. 10/578,155  
Art Unit No.: 2431  
Confirmation No. 8796  
Examiner: VAUGHN, Michael R.  
Title: Detector autocalibration in QKD  
Systems

Attorney Docket No. 037-03US1

Mail Stop: Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

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Date: April 13, 2009

**REPLY UNDER 37 CFR § 1.113**

In reply to the Second and Final Office Action dated April 01, 2009, Applicants submit the following Amendments and Remarks with respect to the above-identified patent application (the "Application"). Where necessary, reference is made hereinbelow to Applicants' published patent application, U.S. Pat. Pub. No. 2007/0133799 A1 (hereinafter, the "Published Application").

- **Amendments to the Claims** begin on page 2.
- **Remarks/Arguments** begin on page 7.